

20100507.ba v04_n331.bam.20100507

>From ???@??? Thu May 6 19:42:03 2010 -0500
Date: Fri, 7 May 2010 01:41:57 GMT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 4331
Message-Id: <20100507014158.49E198DDFAA@minime.theporch.com>

BOATANCHORS Digest 4331

Topics covered in this issue include:

- 1) amplifier specs :-)
by Nick England <navy.radio@gmail.com>
- 2) Re: amplifier specs :-)
by Ben Hall <kd5byb@kd5byb.net>
- 3) Re: amplifier specs :-)
by "J.D. MacAulay, WQ8U" <jmac6235@yahoo.com>
- 4) Re: amplifier specs :-)
by Gary Woods <garygarlic@earthlink.net>
- 5) Re: Hallicrafters SX-73 and Hammarlund SPC-10 videos
by Don Reaves <donreaves@gmail.com>
- 6) WANT: SX-71 White Dials model
by "Les Zwiebel WB6ORZ" <wb6orz@pacbell.net>
- 7) Roof mounted tower
by John Sehring <wb0eq@yahoo.com>
- 8) Re: Roof mounted tower
by mac <w7qho@aol.com>
- 9) RE: Roof mounted tower
by "Singley, Rodger" <rbsingl@ilstu.edu>
- 10) Re: Roof mounted tower
by Garey Barrell <k4oah@mindspring.com>
- 11) Re: Roof mounted tower
by Steve Berg <wa9jml@tbc.net>
- 12) RE: Roof mounted tower
by spr@earthlink.net
- 13) Re: Roof mounted tower
by "David Thompson" <thompson@mindspring.com>
- 14) Re: Roof mounted tower
by john <johnmb@nc.rr.com>
- 15) Re: Roof mounted tower
by "Arden Allen" <gumbear@pacbell.net>

MIME-Version: 1.0

Date: Fri, 30 Apr 2010 19:57:16 -0400

Message-ID: <r2ged0171f41004301657wd75e2b8eve9282bb3b96efea3@mail.gmail.com>

Subject: amplifier specs :-)
From: Nick England <navy.radio@gmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset=ISO-8859-1

At last, an honest audio amp spec sheet - looks like it could be useful as a modulator for a Big Rig also

http://www.crownaudio.com/pdf/legacy/belchfire_datasheet.pdf

Message-ID: <4BDB8779.5020703@kd5byb.net>
Date: Fri, 30 Apr 2010 20:44:25 -0500
From: Ben Hall <kd5byb@kd5byb.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: amplifier specs :-)
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Good evening Nick and gang,

What a letdown! I was expecting to see that it had a base-plate of prefabricated amulite, surmounted by a malleable logarithmic casing.

I'm not impressed.

Perhaps if they added two main spurving bearings that were aligned with the pentametric fan I'd become impressed.

Or at least discuss how there is no known Orth effect. I'm just sayin'...

thanks much,
ben

On 4/30/2010 6:57 PM, Nick England wrote:
> At last, an honest audio amp spec sheet - looks like it could be
> useful as a modulator for a Big Rig also
>
> http://www.crownaudio.com/pdf/legacy/belchfire_datasheet.pdf
>
>
>

--
Ben Hall, kd5byb@kd5byb.net - ALWAYS OUTNUMBERED, NEVER OUTGUNNED.

Message-ID: <276944.7312.qm@web112604.mail.gq1.yahoo.com>
Date: Fri, 30 Apr 2010 19:04:10 -0700 (PDT)
From: "J.D. MacAulay, WQ8U" <jmac6235@yahoo.com>
Subject: Re: amplifier specs :-)
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative; boundary="0-1907697650-1272679450=:7312"

--0-1907697650-1272679450=:7312
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: quoted-printable

They omitted the April 1 date on the spec sheet73MacHillsborough, NC

--- On Fri, 4/30/10, Ben Hall <kd5byb@kd5byb.net> wrote:

From: Ben Hall <kd5byb@kd5byb.net>
Subject: Re: amplifier specs :-)
To: "Old Tube Radios" <boatanchors@theporch.com>
Cc: "Old Tube Radios" <boatanchors@theporch.com>
Date: Friday, April 30, 2010, 9:44 PM

Good evening Nick and gang,

What a letdown!=A0 I was expecting to see that it had a base-plate of=20 prefabulated amulite, surmounted by a malleable logarithmic casing.

I'm not impressed.

Perhaps if they added two main spurving bearings that were aligned with=20 the pentametric fan I'd become impressed.

Or at least discuss how there is no known Orth effect.=A0 I'm just sayin'..=

thanks much,
ben

On 4/30/2010 6:57 PM, Nick England wrote:
> At last, an honest audio amp spec sheet - looks like it could be
> useful as a modulator for a Big Rig also
>
> http://www.crownaudio.com/pdf/legacy/belchfire_datasheet.pdf
>

>
>

--=20

Ben Hall, kd5byb@kd5byb.net - ALWAYS OUTNUMBERED, NEVER OUTGUNNED.

=0A=0A=0A

--0-1907697650-1272679450=:7312

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
*      (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
*      If your postings display this message your mail program *
*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

--0-1907697650-1272679450=:7312--

From: Gary Woods <garygarlic@earthlink.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: amplifier specs :-)

Date: Sat, 01 May 2010 09:55:33 -0400

Message-ID: <mfcot5toa73km61e1h5c8548rdpohcdavo@4ax.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

On Fri, 30 Apr 2010 19:57:16 -0400, you wrote:

>At last, an honest audio amp spec sheet - 1

Then there's the Signetics WOM:

<http://www.national.com/rap/files/datasheet.pdf>

Gary Woods AKA K2AHC- PGP key on request, or at home.earthlink.net/~garygarlic
Zone 5/4 in upstate New York, 1420' elevation. NY WO G

MIME-Version: 1.0

Date: Sat, 1 May 2010 17:30:40 -0500

Message-ID: <n2u4bc9f60a100501153011fbc2141naef960904afab511@mail.gmail.com>

Subject: Re: Hallicrafters SX-73 and Hammarlund SPC-10 videos
From: Don Reaves <donreaves@gmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Nicely done, Jim.

Your video has prompted me to take another look at my long ignored SX-73. It has patiently been waiting its turn on the workbench for nearly 15 years. Takes me a while to get around to the newer gear.

Don W5OR
(playing with a RAK/RAL combo.)

On Fri, Apr 30, 2010 at 3:19 PM, Jim Garland <4cx250b@muohio.edu> wrote:

>
> [I originally posted this a few weeks ago, but don't think it ever appear=
ed.
> If it did, sorry for wasting the bandwidth]
>
> Hi Gang,
> =A0 =A0 =A0 I recently acquired the above two radios and about a half doz=
en
> others as part of a package purchase, in order to get the one radio I rea=
lly
> wanted (an SX-88). Unfortunately, I don't have room for all the stuff, so=
am
> planning to sell most of it (probably on eBay for these two items, since
> they're uncommon enough that I don't have an idea of their value).
> =A0 =A0 =A0 However, because the SX-73 and SPC-10 are seldom seen, I thou=
ght I'd
> try my hand at demoing them on YouTube for those who haven't encountered
> them previously. This is my first YouTube effort and is shockingly
> amateurish. Mostly, I've learned that I don't have a future as a TV pundi=
t
> or talk show host (not that the world needs more of either).
> Anyway, if you're interested, you can see these two radios in operation a=
t
> <http://www.youtube.com/watch?v=3DYku0GzCiBw8> =A0(SX-73)
> <http://www.youtube.com/watch?v=3Dz01YufAYKD0> =A0(SPC-10)
> 73,
> Jim W8ZR
>

Message-ID: <47EFF517EE5B4EEAB406B692E744DD83@Shack>
From: "Les Zwiebel WB6ORZ" <wb6orz@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WANT: SX-71 White Dials model
Date: Mon, 3 May 2010 23:22:01 -0700
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_00EA_01CAEB17.6F0B7F00"

This is a multi-part message in MIME format.

-----=_NextPart_000_00EA_01CAEB17.6F0B7F00
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: quoted-printable

Wanted: an SX-71 White dial panel model or the name of the seller of =
the radio as pictured in the Hallicrafters Photos section at the Yahoo =
Hallicrafters Group. The picture was taken at the recent Bucks County =
ham fest.

For sentimental reasons I am searching for that model. Tnx in =
advance.

(((((73))))))

Les WB6ORZ

-----=_NextPart_000_00EA_01CAEB17.6F0B7F00
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *
* (such as an attached file, a v-card, HTML formatting) *
* Mail Lists at theporch.com only accept PLAIN TEXT *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *

-----=_NextPart_000_00EA_01CAEB17.6F0B7F00--

Message-ID: <386399.96925.qm@web45601.mail.sp1.yahoo.com>
Date: Thu, 6 May 2010 09:43:18 -0700 (PDT)
From: John Sehring <wb0eq@yahoo.com>
Subject: Roof mounted tower
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi All,

This isn't directly a BA query, but BA equipment will be used to "power" it (by Drake & Collins), so, once again, I'd like to tap into this fount of wisdom!

I live on a small suburban lot, 55'x120', a bungalow & large attached, 2-car garage & sidewalks cover most of the soil. So there isn't the room for a 4'x4'x5' chunk of cement (local cost here \$800 delivered & poured).

So been thinking of a roof mounted tower. On it would go lightweight, reduced size, low wind load tri- or penta-bander, such as Optibeam (expensive!), Spiderbeam, Traffie, or Hexx beam. I would beef up the roof support structure of house underneath it as necessary.

Options I've come with:

1. GlenMartin (of Hazer fame) make aluminum roof towers. I'm interested in their 18' and 26' foot models. Heaviest weighs 150#, so 2 men can handle it. Its deadweight & windload capacity are good enuf for what I need. These are climable. Will reinforce roof structure from attic as necessary. Doesn't need guys, so I could mount it wherever on the house/garage roof. Downside is cost, \$850/\$1350 including rotor plate & mast bearing & shipping!

<http://www.glenmartin.com/industrial/pg17.htm>

2. I've got a Delhi 8' tower top section with rotor plate and mast bearing (\$20 from a local ham). Would like either 1 or 2 more sections of same to get to 16 or 24', about \$250 max. (This style, DMX, can go to 68 feet unsupported, uses tapered sections, it's a good sturdy tower in wide use in Canada. Downside is it needs guys so location of tower would have to central on roof--I want all guys to go to roof structure, NOT the ground (annoying & unattractive). As I have many other antennas on roof, I will need to use non-conductive guys; there's lots of info on this stuff, good I think if installed correctly. Also tower height will be low with a lightweight antenna on it, 16 or 24' max. I'd build a very suitable base to receive tower on roof out of lumber. Roof & inside roof structure to be beefed up as necessary.

<http://www.wade-antenna.com/Wade/DMX.pdf>

The only problem I've ever had with HF beams mounted on roof is wind-induced vibration conducted down into the house. Can sound awful in high winds.

So what think ye?

Thanks in advance.

--John WB0EQ/VE6

Cc: Old Tube Radios <boatanchors@theporch.com>
Message-Id: <1BC679B9-6426-4ED9-919F-16748577491F@aol.com>
From: mac <w7qho@aol.com>
To: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset=US-ASCII; format=flowed; delp=yes
Content-Transfer-Encoding: 7bit
Mime-Version: 1.0 (Apple Message framework v936)
Subject: Re: Roof mounted tower
Date: Thu, 6 May 2010 10:00:53 -0700

Wouldn't think that a 26 or 30 ft. lightweight tower and beam braced against your house would need anything like 3 yards of concrete under it.

Dennis D. W7QHO
Glendale, CA

On May 6, 2010, at 9:43 AM, John Sehring wrote:

> Hi All,
>
> This isn't directly a BA query, but BA equipment will be used to
> "power" it (by Drake & Collins), so, once again, I'd like to tap
> into this fount of wisdom!
>
> I live on a small suburban lot, 55'x120', a bungalow & large
> attached, 2-car garage & sidewalks cover most of the soil. So there
> isn't the room for a 4'x4'x5' chunk of cement (local cost here \$800
> delivered & poured).
>
> So been thinking of a roof mounted tower. On it would go
> lightweight, reduced size, low wind load tri- or penta-bander, such
> as Optibeam (expensive!), Spiderbeam, Traffie, or Hexx beam. I
> would beef up the roof support structure of house underneath it as
> necessary.
>
> Options I've come with:
>
> 1. GlenMartin (of Hazer fame) make aluminum roof towers. I'm
> interested in their 18' and 26' foot models. Heaviest weighs 150#,
> so 2 men can handle it. Its deadweight & windload capacity are good

> enuf for what I need. These are climable. Will reinforce roof
> structure from attic as necessary. Doesn't need guys, so I could
> mount it wherever on the house/garage roof. Downside is cost,
> \$850/\$1350 including rotor plate & mast bearing & shipping!
>
> <http://www.glenmartin.com/industrial/pg17.htm>
>
> 2. I've got a Delhi 8' tower top section with rotor plate and mast
> bearing (\$20 from a local ham). Would like either 1 or 2 more
> sections of same to get to 16 or 24', about \$250 max. (This style,
> DMX, can go to 68 feet unsupported, uses tapered sections, it's a
> good sturdy tower in wide use in Canada. Downside is it needs guys
> so location of tower would have to central on roof--I want all guys
> to go to roof structure, NOT the ground (annoying & unattractive).
> As I have many other antennas on roof, I will need to use non-
> conductive guys; there's lots of info on this stuff, good I think if
> installed correctly. Also tower height will be low with a
> lightweight antenna on it, 16 or 24' max. I'd build a very suitable
> base to receive tower on roof out of lumber. Roof & inside roof
> structure to be beefed up as necessary.
>
> <http://www.wade-antenna.com/Wade/DMX.pdf>
>
> The only problem I've ever had with HF beams mounted on roof is wind-
> induced vibration conducted down into the house. Can sound awful in
> high winds.
>
> So what think ye?
>
> Thanks in advance.
>
> --John WB0EQ/VE6
>
>
>
>
>

Content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: quoted-printable
Subject: RE: Roof mounted tower
Date: Thu, 6 May 2010 12:02:21 -0500
Message-ID: <AA28191F88740543A764089198FF86DEF29EB4@COBEXCHANGE.ad.ilstu.edu>
From: "Singley, Rodger" <rbsing1@ilstu.edu>

To: Old Tube Radios <boatanchors@theporch.com>

John,

I would vote for a guyed tower just because the load on the base (even with a small beam) is going to transfer a lot of twisting/shear load to that portion of the roof. The guys will basically turn the loading into a downward compression with a slight uplift on the opposite side which is much easier for the structure to withstand. Although I have never seen torque bars used on a roof tower they would help in transferring any unbalanced wind loading from the beam to the guy anchors and away from the base mounting point.

Peak, not average, wind speed is what is important and this is especially true for a roof mounted tower. Also make sure you don't do anything which will impact the insurance coverage on your house or this could get very expensive. My concern would be either a lightning strike or structural damage to the roof followed by water incursion. Either of these would be very expensive if your insurance company could escape coverage. I would find out their requirements (engineered design, waivers, etc.) in advance and get those in writing before you undertake the project.

Good luck with the project and properly set up a roof mounted tower should work well for you. =20

73, Rodger WQ9E

> -----Original Message-----

> From: owner-boatanchors@theporch.com [mailto:owner-

> boatanchors@theporch.com] On Behalf Of John Sehring

> Sent: Thursday, May 06, 2010 11:43 AM

> To: Old Tube Radios

> Subject: Roof mounted tower

>=20

> Hi All,

>=20

> This isn't directly a BA query, but BA equipment will be used to

> "power" it (by Drake & Collins), so, once again, I'd like to tap into

> this fount of wisdom!

>=20

> I live on a small suburban lot, 55'x120', a bungalow & large attached,

> 2-car garage & sidewalks cover most of the soil. So there isn't the

> room for a 4'x4'x5' chunk of cement (local cost here \$800 delivered &

> poured).

>=20

> So been thinking of a roof mounted tower. On it would go lightweight,

> reduced size, low wind load tri- or penta-bander, such as Optibeam

> (expensive!), Spiderbeam, Traffie, or Hexx beam. I would beef up the
> roof support structure of house underneath it as necessary.
>=20
> Options I've come with:
>=20
> 1. GlenMartin (of Hazer fame) make aluminum roof towers. I'm
> interested in their 18' and 26' foot models. Heaviest weighs 150#, so
> 2 men can handle it. Its deadweight & windload capacity are good enuf
> for what I need. These are climable. Will reinforce roof structure
> from attic as necessary. Doesn't need guys, so I could mount it
> wherever on the house/garage roof. Downside is cost, \$850/\$1350
> including rotor plate & mast bearing & shipping!
>=20
> <http://www.glenmartin.com/industrial/pg17.htm>
>=20
> 2. I've got a Delhi 8' tower top section with rotor plate and mast
> bearing (\$20 from a local ham). Would like either 1 or 2 more
sections
> of same to get to 16 or 24', about \$250 max. (This style, DMX, can go
> to 68 feet unsupported, uses tapered sections, it's a good sturdy
tower
> in wide use in Canada. Downside is it needs guys so location of tower
> would have to central on roof--I want all guys to go to roof
structure,
> NOT the ground (annoying & unattractive). As I have many other
> antennas on roof, I will need to use non-conductive guys; there's lots
> of info on this stuff, good I think if installed correctly. Also
tower
> height will be low with a lightweight antenna on it, 16 or 24' max.
> I'd build a very suitable base to receive tower on roof out of lumber.
> Roof & inside roof structure to be beefed up as necessary.
>=20
> <http://www.wade-antenna.com/Wade/DMX.pdf>
>=20
> The only problem I've ever had with HF beams mounted on roof is wind-
> induced vibration conducted down into the house. Can sound awful in
> high winds.
>=20
> So what think ye?
>=20
> Thanks in advance.
>=20
> --John WB0EQ/VE6
>=20
>=20
>=20
>=20

Message-ID: <4BE2FAC5.2060902@mindspring.com>
Date: Thu, 06 May 2010 13:22:13 -0400
From: Garey Barrell <k4oah@mindspring.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Roof mounted tower
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

John -

I have had three tower installations over the last 40 years,
(unfortunately none now..... stupid restricted neighborhoods...) and
all were bracketed to the house.

The first one was in Virginia, two-story house. The base of the ~50'
tower was set on a "roof mount" plate (all this by ROHN) on the ground.
I drove a couple of rebar rods through the mounting holes about two feet
into the ground. Bracketed to the house at about the 15' level, no
guys. The top was a Cushcraft ATB-34 full size tri-bander and a 7
element 2M beam about 8 feet above the tri-bander. This was up for
eight years.

The second one, (same tower and beam,) was installed in Atlanta, GA,
again a two-story house. Same procedure, except there was a concrete
patio where I wanted to put the tower. So the "roof mount" plate was
set on the patio, with a single large 1" diameter bolt drilled into the
patio. Same antennas, etc.

Actually this set-up was first installed in Huntsville, AL for about two
years on a one-story house. In this case it was bracketed near the roof
peak since it was on the end of the house.

My understanding of the set-up, from a professional tower installer, was
that with the house bracket, the main function of the base is to support
the downward pressure, AND a provision to keep it from "kicking out" at
the bottom.

YMMV.

73, Garey - K40AH
Glen Allen, VA

Drake 2-B, 4-B, C-Line& TR-4/C Service Supplement CDs
<www.k4oah.com>

John Sehring wrote:

> Hi All,

>

> This isn't directly a BA query, but BA equipment will be used to "power" it (by Drake& Collins), so, once again, I'd like to tap into this fount of wisdom!

>

> I live on a small suburban lot, 55'x120', a bungalow& large attached, 2-car garage& sidewalks cover most of the soil. So there isn't the room for a 4'x4'x5' chunk of cement (local cost here \$800 delivered& poured).

>

>

Message-ID: <4BE2FB9B.6070308@tbc.net>

Date: Thu, 06 May 2010 12:25:47 -0500

From: Steve Berg <wa9jml@tbc.net>

MIME-Version: 1.0

CC: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Roof mounted tower

Content-Type: text/plain; charset=ISO-8859-1; format=flowed

Content-Transfer-Encoding: 7bit

To: Old Tube Radios <boatanchors@theporch.com>

I had one of their towers on my roof for several years. I believe that it was the heavy duty 8 footer. I had a 4 element 6 meter beam, and a stacked pair of 9 element 2 meter beams on it, with about 15 feet of aluminum mast. I did not reinforce the roof, but it worked fine until I could afford some Rohn 25G sections. The Glen Martin towers seem to be well designed and were pretty easy to put together and erect. I'm not sure how it would work with a larger HF beam.

Steve WA9JML

Message-ID: <14543636.1273175067047.JavaMail.root@elwamui-karabash.atl.sa.earthlink.net>

Date: Thu, 6 May 2010 15:44:26 -0400 (EDT)

From: spr@earthlink.net

To: Old Tube Radios <boatanchors@theporch.com>

Subject: RE: Roof mounted tower

Mime-Version: 1.0

Content-Type: text/plain; charset=UTF-8

Content-Transfer-Encoding: 7bit

Hi John,

One other disadvantage of a roof-mounted tower is wind noise. You may find that

it's louder than you would like.

Peace,

Scott

-----Original Message-----

>From: "Singley, Rodger" <rbsing1@ilstu.edu>

>Sent: May 6, 2010 1:02 PM

>To: Old Tube Radios <boatanchors@theporch.com>

>Subject: RE: Roof mounted tower

>

>John,

>

>I would vote for a guyed tower just because the load on the base (even
>with a small beam) is going to transfer a lot of twisting/shear load to
>that portion of the roof. The guys will basically turn the loading into
>a downward compression with a slight uplift on the opposite side which
>is much easier for the structure to withstand. Although I have never
>seen torque bars used on a roof tower they would help in transferring
>any unbalanced wind loading from the beam to the guy anchors and away
>from the base mounting point.

>

>Peak, not average, wind speed is what is important and this is
>especially true for a roof mounted tower. Also make sure you don't do
>anything which will impact the insurance coverage on your house or this
>could get very expensive. My concern would be either a lightning strike
>or structural damage to the roof followed by water incursion. Either of
>these would be very expensive if your insurance company could escape
>coverage. I would find out their requirements (engineered design,
>waivers, etc.) in advance and get those in writing before you undertake
>the project.

>

>Good luck with the project and properly set up a roof mounted tower
>should work well for you.

>

>73, Rodger WQ9E

>

>> -----Original Message-----

>> From: owner-boatanchors@theporch.com [mailto:owner-
>> boatanchors@theporch.com] On Behalf Of John Sehring

>> Sent: Thursday, May 06, 2010 11:43 AM

>> To: Old Tube Radios

>> Subject: Roof mounted tower

>>

>> Hi All,

>>

>> This isn't directly a BA query, but BA equipment will be used to
>> "power" it (by Drake & Collins), so, once again, I'd like to tap into
>> this fount of wisdom!
>>
>> I live on a small suburban lot, 55'x120', a bungalow & large attached,
>> 2-car garage & sidewalks cover most of the soil. So there isn't the
>> room for a 4'x4'x5' chunk of cement (local cost here \$800 delivered &
>> poured).
>>
>> So been thinking of a roof mounted tower. On it would go lightweight,
>> reduced size, low wind load tri- or penta-bander, such as Optibeam
>> (expensive!), Spiderbeam, Traffie, or Hexx beam. I would beef up the
>> roof support structure of house underneath it as necessary.
>>
>> Options I've come with:
>>
>> 1. GlenMartin (of Hazer fame) make aluminum roof towers. I'm
>> interested in their 18' and 26' foot models. Heaviest weighs 150#, so
>> 2 men can handle it. Its deadweight & windload capacity are good enuf
>> for what I need. These are climable. Will reinforce roof structure
>> from attic as necessary. Doesn't need guys, so I could mount it
>> wherever on the house/garage roof. Downside is cost, \$850/\$1350
>> including rotor plate & mast bearing & shipping!
>>
>> <http://www.glenmartin.com/industrial/pg17.htm>
>>
>> 2. I've got a Delhi 8' tower top section with rotor plate and mast
>> bearing (\$20 from a local ham). Would like either 1 or 2 more
>sections
>> of same to get to 16 or 24', about \$250 max. (This style, DMX, can go
>> to 68 feet unsupported, uses tapered sections, it's a good sturdy
>tower
>> in wide use in Canada. Downside is it needs guys so location of tower
>> would have to be central on roof--I want all guys to go to roof
>structure,
>> NOT the ground (annoying & unattractive). As I have many other
>> antennas on roof, I will need to use non-conductive guys; there's lots
>> of info on this stuff, good I think if installed correctly. Also
>tower
>> height will be low with a lightweight antenna on it, 16 or 24' max.
>> I'd build a very suitable base to receive tower on roof out of lumber.
>> Roof & inside roof structure to be beefed up as necessary.
>>
>> <http://www.wade-antenna.com/Wade/DMX.pdf>
>>
>> The only problem I've ever had with HF beams mounted on roof is wind-
>> induced vibration conducted down into the house. Can sound awful in
>> high winds.

>>
>> So what think ye?
>>
>> Thanks in advance.
>>
>> --John WB0EQ/VE6
>>
>>
>>
>>
>

Message-ID: <006a01caed60\$8f51b360\$875f9a04@yourxb2x7j77gn>
From: "David Thompson" <thompson@mindspring.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Roof mounted tower
Date: Thu, 6 May 2010 17:10:04 -0400
MIME-Version: 1.0
Content-Type: text/plain;
 format=flowed;
 charset="iso-8859-1";
 reply-type=original
Content-Transfer-Encoding: 7bit

John,

I am on the towertalk reflector that is moderated by Steve, K7LXC. I have seen several excellent write ups by users of the taller Glen martin Roof top towers. These sit securely on the roof which is reinforced at each footing. If you have a two story building to install it on and use say the 26 footer you get 47 feet or so in the air. Go to eham (www.eham) and look at the references for Glen Martin.

You can also use rohn type 25G bracketed to the house or garage. You cannot safely have more than 2 10 foot sections above the bracket before you must guy it even using small antennas. I don't know what kind of soil you have there but Dave Johnson, K4SSU installed over 50 Rohn 25 and 45 towers next to house or garage in the Atlanta metro area and he never put down an extensive concrete base. But he guyed all of the towers.

As to antennas, several locals here are using the hex beam or one of the several different spider beams. Dx Engineering offers a complete 5 band HeXX beam kit for under \$600 USD. With either the Hex or spider beam you can still mount a small 6 or 2 meter antenna above it and use say a light duty rotor.

The goal should be to try and get the top of the tower over 40 feet.

Finally, you are near some experts that probably would be willing to assist you in VE6. VE6JY has a big station with many towers. VE6SF seems to be another with good tower/antenna skills. VE6JY builds the AlfaSpid rotors which are now sold by MFJ and others World wide.

Good luck
73 Dave K4JRB

Message-Id: <6.2.1.2.2.20100506183157.02d82080@pop-server.nc.rr.com>
Date: Thu, 06 May 2010 18:32:39 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@nc.rr.com>
Subject: Re: Roof mounted tower
Cc: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I've done this and have a couple of comments:

creeeaaakkkk, squeeaaaakkkkk, creeeeeekkkkkkk.....

John K5M0

Message-ID: <005601caed86\$23e5e530\$f49e480c@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Roof mounted tower
Date: Thu, 6 May 2010 18:39:27 -0700
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>The only problem I've ever had with HF beams mounted on roof is wind-induced vibration conducted down into the house. Can sound awful in high winds.

When I was knee high to a 2 meter ground plane my dad had installed a 40' TV antenna mast on the roof with solid guy wires. Us kid's bedrooms were in the attic, sleeping just under the roof. At night we were lulled to sleep by heavenly tones from the guys. Like being in a cathedral with a very creative organist at the console.

Arden Allen

KB6NAX

Adopt a shelter dog,
save an innocent life,
and make a friend forever =:-)

End of BOATANCHORS Digest 4331
